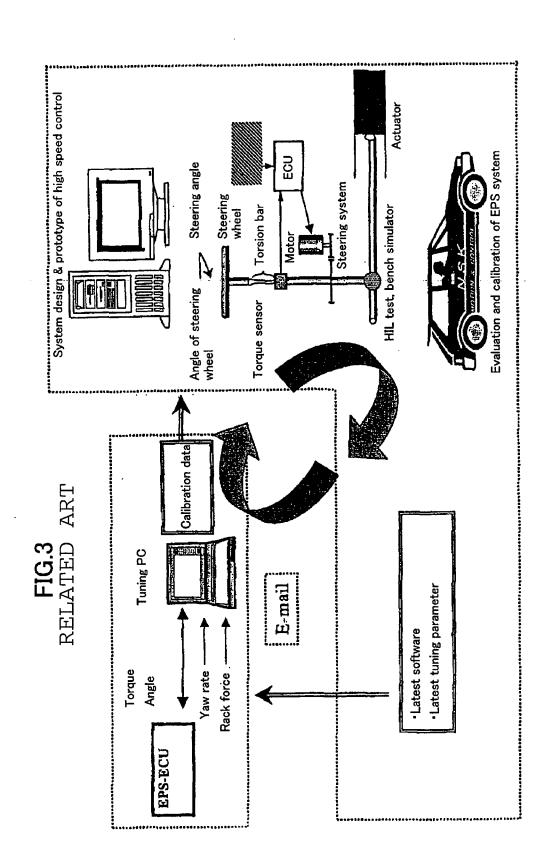


Motor 37 38 Motor drive circuit current detection circuit Motor - 30 30B FIG.2 RELATED ART 34 Differentiation compensator Proportion calculator 35 Integration calculator 36 30 A Steering auxiliary command calculator 32 compensator 3 Phase Torque sensor Vehicle speed sensor 9

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\$22 **S**23 , S21 \$20 RELATED ART Mechanical system or steering torque Torque control of Steering angle FIG.5 of EPS Vehicle EPS \$10 \$14 ,S12 **S13** FIG.4 RELATED ART ES. Torque command Calculate torque Output current Analyze motor Control motor and voltage (current)